

Application No.: 10/668736

Case No.: 58725US002

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) ~~A feature~~ An abrasive feature for an abrasive article comprising:
a base;
a body extending from the base, wherein the cross-sectional area of the body varies linearly with the height of the body from the base.
2. (Original) The feature of claim 1, wherein the body extending from the base is defined by four arcuately shaped surface sections.
3. (Original) The feature of claim 1, wherein the body is defined by two arcuately shaped surface sections having a common vertex.
4. (Original) The feature of claim 2, wherein the arcuately shaped sections are convexly curved away from the base.
5. (Original) An abrasive article comprising:
a plurality of features, wherein each feature include a base and a body extending from the base, wherein the cross-sectional area of the body varies linearly with the height of the body from the base.
6. (Original) The article of claim 5, further including a backing joined to the base of each of the plurality of features.
7. (Original) The article of claim 6, wherein the backing is a belt.
8. (Original) The article of claim 5, wherein the body of each feature is defined by four arcuately shaped surface sections.

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9. (Original) The article of claim 5, wherein the body of each feature is defined by two arcuately shaped surface sections having a common vertex.
10. (Original) The article of claim 9, wherein the arcuately shaped sections are convexly curved away from the base.
11. (Currently amended) The article of claim 5, wherein the features are of a substantially uniform height of in a range from about 0.03 inches or 0.02 inches to about 0.04 inches.
12. (Original) The article of claim 5, wherein the plurality of features form an array.
13. (Currently amended) The article of claim 12, wherein at least some of the features have a height of about ~~0.03 inches~~ 0.02 inches and at least some of the features have a height of about 0.04 inches.
14. (Original) A tool for making an abrasive article according to any of claims 1-13:
15. (Original) A method of making an abrasive article, the method comprising:
filling a tool with a slurry, wherein the tool includes a plurality of negative images for forming features having a base and a body, wherein the cross-sectional area of the body varies linearly with the height of the body from the base;
curing the slurry to form the abrasive article.
16. (Original) The method of claim 15, further including:
applying a backing to the abrasive article.
17. (Original) The method of claim 17, further including:
removing the article from the tool.

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18. (Original) The method of claim 15, wherein said curing includes curing out of the tool.
19. (Original) ~~A feature~~An abrasive feature for an abrasive article comprising:
a base; and
a body projecting from the base, the body including a vertex, wherein the body is defined by four sidewalls, and further wherein each sidewall is defined by a parabolic section.
20. (Original) The feature of claim 19, wherein the parabolic shape is approximately defined by a series of connected line segments.
21. (Original) The feature of claim 19, wherein each sidewall is formed from the same parabolic section, and further each section is defined by the same locus in a mirror image, including an opposed image and left and right images.